AMENDED CLAIMS

[received by the International Bureau on 14 January 2005 (14.01.2005);
original claims 1-20 replaced by new claims 1-20 (5 pages)]

+ STATEMENT

What is claimed is:

1. A method for displaying a character on a TV screen, comprising steps:

real time generating character matrix information;

displaying the character matrix information on the TV screen in a corresponding form of the character.

2. The method according to claim 1, wherein the generating step comprises generating the matrix information by using a predetermined algorithm.

3. The method according to claim 1, wherein the generating step comprises real time generating the matrix information by using a TV OSD software.

4. An apparatus for displaying character on a TV screen, comprising:

means for real time generating character matrix information;

means for displaying the generated character matrix information on the TV screen in a corresponding form of the character.

5. A method for displaying a TV OSD pattern on a TV screen, comprising steps:

writing-in a predetermined pattern characteristic into a specific RAM of the TV;

writing-in a predetermined character characteristic into a specific RAM of the TV;

real time generating character matrix information in a predetermined pattern change sequence according to said pattern and character characteristics; and

writing-in the generated character matrix information into a specific RAM of the TV, to make the TV OSD pattern consisting of the corresponding characters changing gradually on the TV screen.

6. The method according to claim 5, further comprising step:

reading the predetermined pattern and character characteristics from a specific device of the TV.

7. The method according to claim 5, wherein said pattern characteristic comprises changing characteristic of the pattern.

8. The method according to claim 5, wherein said pattern characteristic comprises the shape of the pattern, the size of the pattern and the position on the screen of the pattern.

9. The method according to claim 5, wherein said character characteristic comprises the color of the character and the position on the TV screen of the character.

10. The method according to claim 5, wherein the step of writing-in the generated character matrix information comprises a delaying step to control the change rate of the pattern.

11. The method according to claim 5, wherein the characters of the step of writing-in the generated character matrix information are a series of characters which become transparent gradually in a predetermined sequence from an upper edge and a lower edge to a central area, and said characters look like opening and closing of a blind when the pattern consisting of said characters on the TV screen changes in a predetermined sequence.

12. The method according to claim 11, wherein the character matrix information of said series of characters which become transparent gradually toward a central area in a predetermined sequence is real time generated by a loop algorithm of a TV OSD software, and said loop algorithm gradually sets the lattice of a whole line into zero gradually from an upper and a lower edges to the central area of the characters.

13. An apparatus for displaying a TV OSD pattern on a TV screen, comprising:

means for writing-in a predetermined pattern characteristic into a specific RAM of the TV;

means for writing-in a predetermined character characteristic into a specific RAM of the TV;

means for real time generating character matrix information in a predetermined pattern change sequence according to said pattern and character characteristics; and

means for writing-in the generated character matrix information into a specific RAM of the TV, to make the TV OSD pattern consisting of the corresponding characters changing gradually on the TV screen.

14. The apparatus according to claim 13; further comprising means for reading the predetermined pattern and character characteristics from a specific device of the TV.

15. The apparatus according to claim 13, wherein said characters are a series of characters which become transparent gradually in a predetermined sequence from an upper edge and a lower edge to the central area, and said characters look like opening and closing of a blind when the pattern consisting of said characters on the TV screen changes in a predetermined sequence.

16. A TV, comprising:

a screen; and

a screen character displaying apparatus, the screen character displaying apparatus further comprising:

means for real time generating character matrix information; and

means for displaying the generated character matrix in a corresponding character form on the TV screen.

17.A TV, comprising:

a screen;

a screen pattern displaying device, the screen pattern displaying device further comprising:

means for writing-in a predetermined pattern characteristic into a specific RAM of the TV;

means for writing-in a predetermined character characteristic into a specific RAM of the TV;

means for real time generating character matrix information in a predetermined pattern change sequence according to said pattern and character characteristics;

means for writing-in the generated character matrix into a specific RAM of the TV, to make the TV OSD pattern consisting of the corresponding characters changing gradually.

18. A method for displaying a TV OSD pattern on a TV screen, comprising steps:

writing-in a predetermined pattern characteristic into a specific RAM of the TV;

writing-in a predetermined character characteristic into a specific RAM of the TV;

reading-in character matrix information in a predetermined pattern change sequence from a character storage stored in a specific position of the TV, according to said pattern and character characteristics;

writing-in the reading-in character matrix information into a specific RAM of the TV to make the TV OSD pattern consisting of the corresponding characters looks like opening and closing of a blind when it changes gradually on the TV screen.

19. A method for setting a TV OSD pattern on a TV screen when turning on or off the TV, comprising steps:

prompting optional items of the TV OSD pattern characteristic on the TV screen;

accepting the selection and confirmation of an user for the TV OSD pattern characteristic; and

writing-in the received confirmation information into a non-volatile storage of the TV.

20. The method according to claim 19, wherein said pattern characteristic comprises the using opportunity of the pattern; the type of the pattern; the color of the pattern; the shape of the pattern; the size of the pattern; the position on the screen of the pattern and the change characteristic of the pattern.

Statement under article 19 (1) and Rule 46.4

According to Article 19 and Rule 46, we amended all claims 1-20 of the international patent application PCT /IB2004/051313, and use the amended claims to replace the corresponding original claims 1-20. In these amended claims 1-20, we didn't add or cancel any claims, we just amended some translation errors of the original claims. When we corrected the translation errors of the original claims, we didn't exceed the original essential meaning of the international patent application.

According to the comparison form and the replacement sheets, we did these amendments for the translation of the original claims:

1. In the amended claims 1, 5, and 7, we use "real time generating character matrix" to replace "creating instantly character model" of the original claims1, 5, and 17.
2. We use "generating" to replace "creating" of the original claims which include the word "creating".
3. we use "generated" to replace "created" of the original claims which include the word "created".
4. We use " character matrix" to replace "character model" of the original claims which include the words "character model".
5. We use "pattern" to replace "figure" of the original claims which include the word "figure".
6. We use "blind" to replace "shutter" of the original claims which include the word "shutter".
7. We use "specified" to replace "specific" of the original claims which include the word "specified".
8. We use "change" to replace "vary" or "variation" of the original claims which include the word "vary" or "variation".
9. We use "changing" to replace "varying" of the original claims which include the word "varying".
10. We use "changes" to replace "varies" of the original claims which include the word "varies".

11. In the amended claim 12, we use "gradually" to replace "step by step" of the original claim 12.
12. In the amended claims 1-3, 5, 6,10, 11, 18 and 19, we add a word "steps" or "step" to the original claims 1-3, 5, 6,10, 11, 18 and 19.
13. We use "an apparatus" to replace " a kind of device" of the original claims which include the word "a kind of device for".
14. We use "means for" to replace "a.....device for" of the original claims which include the word "a..... device for".
15. In amended claims 16 and 17, we use "a .....displaying apparatus" to replace "a ..... display device" of the original claims 16 and 17.
16. We correct some obvious grammar error of the original claims, such as using "comprises" to replace "comprising"; using "a " or "an" to replace "the"; using "become" to replace "becomes".
17. In amended claims 2 and 3, we adjusted the order of the original claims 2 and 3.